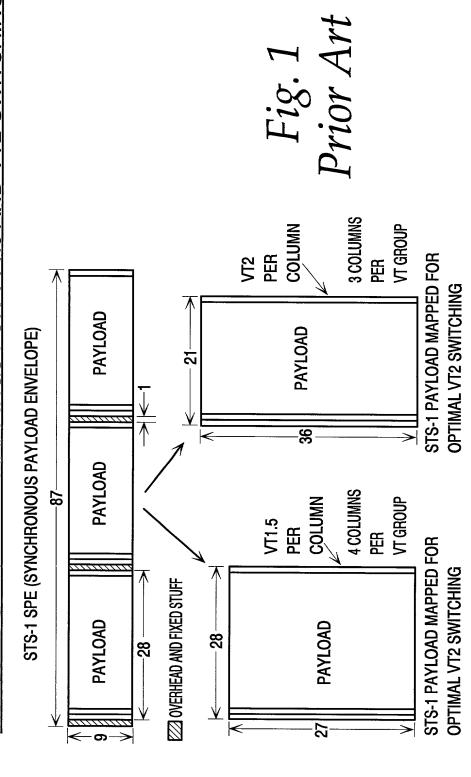
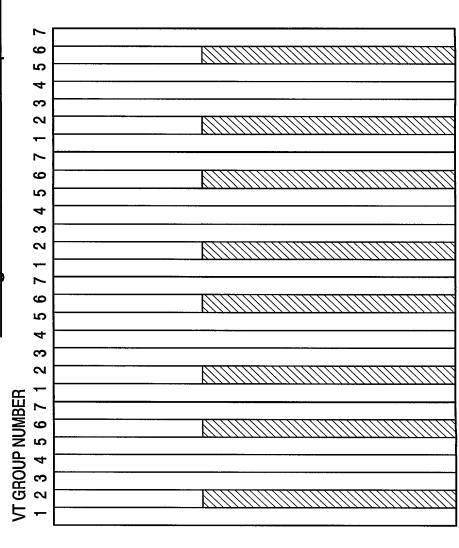
CREATING OPTIMIZED MAPPINGS FOR VT1.5 AND VT2 SWITCHING



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Mixing VT2s into a VT1.5-optimized Configuration



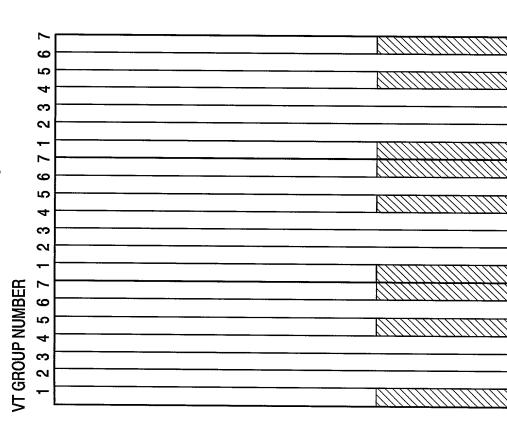
IN THIS EXAMPLE, VT GROUPS 3, 4 AND 7 ARE VT1.5S WHILE VT GROUPS 1 AND 2 ARE COMBINED TO CARRY A SINGLE VT2. THE SAME IS SHOWN FOR VT GROUPS 5 AND 6.

THE DARK AREAS REPRESENT WASTED BANDWIDTH (33% PER VT2 CARRIED).

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Fig. 2 Prior Art ----

Mixing VT1.5s into a VT2-optimized Configuration



IN THIS EXAMPLE, VT GROUPS 2, 3, 4 AND 6 ARE CARRYING VT2S WHILE VT GROUPS 1.5 AND 7 ARE MAPPED WITH VT1.5S.

THE DARK AREAS REPRESENT WASTED BANDWIDTH (25% PER VT1.5 CARRIED).

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Fig. 3 Prior Art ---

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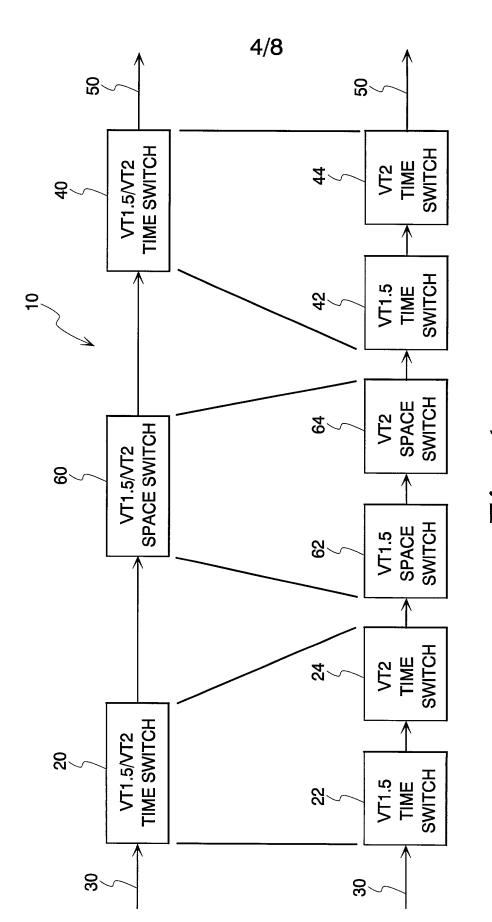
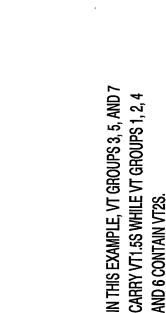


Fig. 4

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VT GROUP NUMBER



THE DARK COLUMNS REPRESENT NON-VT1.5 TRAFFIC WHICH IS IGNORED BY THE VT1.5 SWITCHING ELEMENTS.

ALL WHITE COLUMNS CAN BE INTERCHANGED WITH EACH OTHER FOR FULL TIME MANIPULATION OF THE VT1.5 TRAFFIC CONTENT.

VT GROUPS 1, 2, 4 AND 6 CAN BE EXCHANGED
IF ALL 4 COLUMNS MAKING UP EACH GROUP ARE
KEPT TOGETHER AND IN THE SAME RELATIVE ORDER.

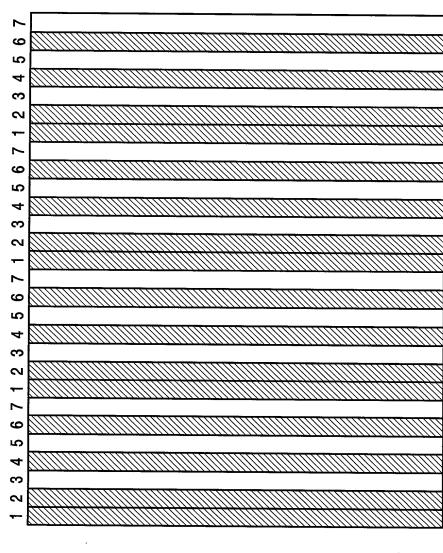
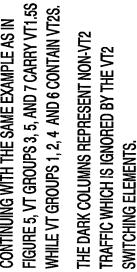


Fig. 5

Time Switching Mixed VT Traffic: VT1.5 Time Switch Step

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ALL WHITE COLUMNS CAN BE INTERCHANGED WITH EACH OTHER FOR FULL TIME MANIPULATION OF THE VT2 TRAFFIC CONTENT. VT GROUPS 3, 5 AND 7 CAN BE EXCHANGED IF ALL 3 COLUMNS MAKING UP EACH VT GROUP KEPT TOGETHER AND IN THE SAME RELATIVE ORDER.

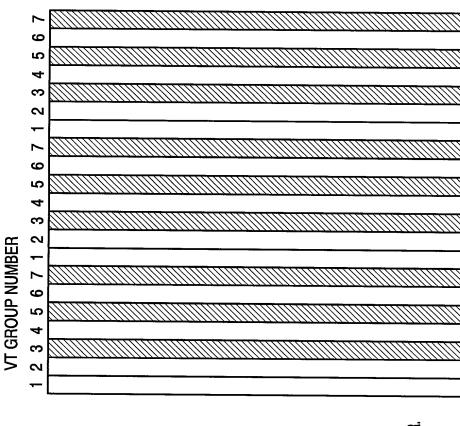


Fig. 6

Time Switching Mixed VT Traffic: VT2 Time Switch Step

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